

**PENGEMBANGAN *SHINING CHEMISTRY BOOK* DENGAN PENDEKATAN
KONTEKSTUAL UNTUK MATERI KIMIA SMA/MA
KELAS X SEMESTER GENAP**

Oleh:
Hani Nur Indah Sari
11303241001

Pembimbing:
C. Budimarwanti, M.Si

ABSTRAK

Penelitian ini merupakan penelitian pengembangan sumber belajar di bidang pendidikan kimia. Tujuan penelitian pengembangan ini adalah (1) mengembangkan *Shining Chemistry Book* dengan pendekatan kontekstual untuk materi kimia SMA/MA kelas X semester genap, dan (2) menentukan kualitas *Shining Chemistry Book* yang telah disusun, ditinjau dari kriteria yang telah ditentukan berdasarkan penilaian lima guru kimia SMA/MA.

Pengembangan buku teks kimia dengan pendekatan kontekstual yang diberi nama *Shining Chemistry Book* ini dibimbing oleh dosen pembimbing dan ditinjau oleh ahli materi, ahli media, dan *peer reviewer*. Model pengembangan *Shining Chemistry Book* diadaptasi dari model pengembangan Borg dan Gall. Tahap-tahap dalam pembuatan pengembangan ini meliputi tahap perencanaan, pengorganisasian, pelaksanaan, penilaian, dan analisis data. Penilaian kualitas *Shining Chemistry Book* dilakukan oleh lima guru kimia SMA/MA di Kota Yogyakarta dan Kabupaten Bantul. Penilaian yang dilakukan meliputi tujuh aspek penilaian yang dijabarkan ke dalam 30 indikator penilaian. Tujuh aspek penilaian yang digunakan meliputi aspek pendekatan penulisan, kebenaran konsep, kedalaman konsep, keluasan konsep, keterlaksanaan, kebahasaan, dan tampilan menyeluruh. Hasil penilaian berupa data kualitatif, kemudian dianalisis dengan pedoman kriteria kategori penilaian ideal untuk menentukan kualitas *Shining Chemistry Book*.

Produk penelitian pengembangan ini berupa *Shining Chemistry Book*, yaitu buku teks kimia SMA/MA kelas X semester genap dengan pendekatan kontekstual yang berisi ringkasan materi, latihan soal beserta pembahasan. Hasil dari proses penilaian *Shining Chemistry Book* menunjukkan hasil kualitas buku yang sangat baik (SB) dengan perolehan skor akhir 133,8 dan persentase keidealan sebesar 89,2%.

Kata kunci: penelitian pengembangan, *Shining Chemistry Book*, buku teks, pendekatan kontekstual

**DEVELOPMENT SHINING CHEMISTRY BOOK WITH CONTEXTUAL
APPROACH TO CHEMISTRY LESSON FOR GRADE X OF SENIOR
HIGH SCHOOL ON SECOND SEMESTER**

By:

Hani Nur Indah Sari
11303241001

Supervisor:

C. Budimarwanti, M.Si

ABSTRACT

This research was a type of development research in chemistry educational resources. The purposes of this development research were (1) to develop Shining Chemistry Book with contextual approach for grade X of senior high school on second semester, and (2) to determine the quality of Shining Chemistry Book that had been developed, in terms of the criteria that have been determined based on the assessment by five senior high school chemistry teachers.

Development of this contextual approach textbook which named Shining Chemistry Book was guided by the supervisor and reviewed by the material expert, media expert, and peer reviewers. Development method of this book was adapted from Borg and Gall's development method. The development stages of this book included planning, organizing, implementation, assessment, and data analysis processes. The quality assessment of Shining Chemistry Book was conducted by five Senior High School chemistry teachers in Yogyakarta and Bantul. The assessment was conducted by referring to seven assessment aspects which have 30 minor indicators. The main seven aspects that were used include writing approach, validity concept, depth concept, broad concept, implementation, linguistic, and the overall book design. Results of this assessment presented in the form of qualitative data then analyzed by ideal measurement of criteria categories to determine quality of the book.

Product of this research was Shining Chemistry Book, chemistry textbook for grade X senior high school students on second semester with contextual approach that contained chemistry materials summaries, and exercises with the solutions. The result of the assessment process showed that the book had excellent quality with 133.8 of overall scores and 89.2% of ideal percentages.

Keyword: development research, Shining Chemistry Book, textbook, contextual approach